



2-17-04

ATTORNEY DOCKET NO.  
0683.0205

SERIAL NO.  
10/630,345

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Joseph A. Zupanick  
Serial No.: 10/630,345  
Filing Date: July 29, 2003  
Title: *Method and System for Accessing Subterranean Deposits  
from the Surface and Tools Therefor*

Commissioner For Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

|  |
|--|
| <p>Certificate of Mailing by<br/>Express Mail No. EV 324649646 US<br/>I hereby certify that this correspondence is being<br/>deposited with the United States Postal Service<br/>"Express Mail Post Office to Addressee" under<br/>37.C.F.R. 1.10 on the date shown below, and<br/>addressed to Commissioner for Patents, P.O. Box<br/>1450, Alexandria, Virginia 22313-1450.</p> <p>Name: <u>Willie Jiles</u><br/>Willie Jiles</p> <p>Date: February 16, 2004</p> |
|--|

**INFORMATION DISCLOSURE STATEMENT**

Under 37 C.F.R. §§ 1.56, .97, and .98, Applicant respectfully requests that the references listed in the attached PTO-1449 form be considered and cited in the examination of the Application. The present Application was filed after June 30, 2003. Therefore, under the July 11, 2003, waiver of 37 C.F.R. § 1.98(a)(2)(i) by the U.S. Patent and Trademark Office, copies of U.S. Patents and U.S. Patent Application Publications listed in the attached PTO-1449 form are not enclosed. Copies of all other references are enclosed for the convenience of the Examiner.

The Examiner should note that with respect to the submission entitled "Documents Received From Third Party," Applicant believes that the handwritten information included in that submission was added by the third party at the time the information was sent to Applicant. Applicant has attempted to verify the accuracy of this handwritten information with the third party (for example, the accuracy of the handwritten date included in this information), but has not received a response.

ATTORNEY DOCKET NO.  
067083.0205

SERIAL NO.  
10/630,345

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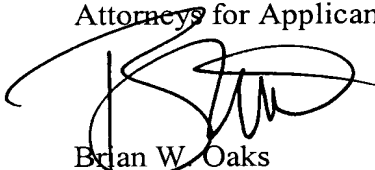
The following references SU-1448078-A1, SU-750108, and SU-1770570-A1 are being submitted in the Russian language. Applicants do not have a translation of these documents; however, a copy of the corresponding office action from the Russian Patent Office is included in this Information Disclosure Statement.

Pursuant to 37 C.F.R. § 1.97(b)(3), Applicant believes this Information Disclosure Statement has been filed before the mailing date of the first Official Action. Therefore, Applicants believe no fee is due. However, if a fee is required, the Commissioner is hereby authorized to charge any fees or credit any overpayments to Deposit Account No. 02-0384 of Baker Botts L.L.P.

Respectfully submitted,

BAKER BOTTS L.L.P.

Attorneys for Applicant



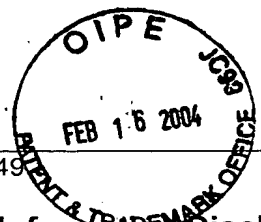
Brian W. Oaks  
Reg. No. 44,981

Date: February 16, 2004

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**Customer Number**

**05073**

|      |   |                                      |   |                                     |
|------|---|--------------------------------------|---|-------------------------------------|
| 1449 |  | Application No.<br><b>10/630,345</b> | Applicant(s)<br><b>Joseph A. Zupanick</b> |                                     |
|      |   | Docket Number<br><b>067083.0205</b>  | Group Art Unit                            | Filing Date<br><b>July 29, 2003</b> |

**Information Disclosure Citation  
in an Application**

**U.S. PATENT DOCUMENTS**

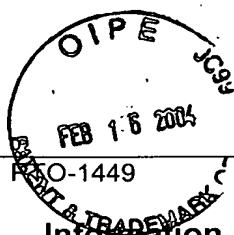
|  |    | DOCUMENT NO. | DATE       | NAME                | CLASS | SUBCLASS | FILING DATE |
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|  | A  | 54,144       | 04/24/1866 | Hamar               | N/A   | N/A      |             |
|  | B  | 274,740      | 03/27/1883 | Douglass            | N/A   | N/A      | 12/02/1892  |
|  | C  | 526,708      | 10/02/1894 | Horton              | N/A   | N/A      | 09/01/1893  |
|  | D  | 639,036      | 12/12/1899 | Heald               | N/A   | N/A      | 08/21/1899  |
|  | E  | 1,189,560    | 07/04/1916 | Gondos              | N/A   | N/A      | 10/21/1914  |
|  | F  | 1,285,347    | 11/19/1918 | Otto                | N/A   | N/A      | 02/09/1918  |
|  | G  | 1,467,480    | 09/11/1923 | Hogue               | N/A   | N/A      | 12/19/1921  |
|  | H  | 1,485,615    | 03/04/1924 | Jones               | N/A   | N/A      | 12/08/1920  |
|  | I  | 1,520,737    | 12/30/1924 | Wright              | N/A   | N/A      | 04/26/1924  |
|  | J  | 1,674,392    | 06/19/1928 | Flansburg           | N/A   | N/A      | 08/06/1927  |
|  | K  | 1,777,961    | 10/07/1930 | Capeliuschnicoff    | N/A   | N/A      | 04/04/1927  |
|  | L  | 2,018,285    | 10/22/1935 | Schweitzer et al.   | 166   | 21       | 11/27/1934  |
|  | M  | 2,069,482    | 02/02/1937 | Seay                | 255   | 76       | 04/18/1935  |
|  | N  | 2,150,228    | 03/14/1939 | Lamb                | 166   | 10       | 08/31/1936  |
|  | O  | 2,169,718    | 08/15/1939 | Boll et al.         | 255   | 24       | 04/01/1937  |
|  | P  | 2,335,085    | 11/23/1943 | Roberts             | 251   | 197      | 03/18/1947  |
|  | Q  | 2,450,223    | 09/28/1948 | Barbour             | 255   | 76       | 11/25/1944  |
|  | R  | 2,490,350    | 12/06/1949 | Grable              | 166   | 4        | 12/15/1943  |
|  | S  | 2,679,903    | 06/01/1954 | McGowen, Jr. et al. | 166   | 1        | 11/23/1949  |
|  | T  | 2,726,063    | 12/06/1955 | Ragland et al.      | 255   | 1.8      | 05/10/1952  |
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|  | V  | 2,783,018    | 02/26/1957 | Lytle               | 251   | 25       | 02/11/1955  |
|  | W  | 2,847,189    | 08/12/1958 | Shook               | 255   | 76       | 01/08/1953  |
|  | X  | 2,911,008    | 11/03/1959 | Du Bois             | 137   | 625.31   | 04/09/1956  |
|  | Y  | 2,980,142    | 04/18/1961 | Turak               | 137   | 637.3    | 09/08/1958  |
|  | Z  | 3,208,537    | 09/28/1965 | Scarborough         | 175   | 53       | 12/08/1960  |
|  | AA | 3,347,595    | 10/17/1967 | Dahms et al.        | 299   | 4        | 05/03/1965  |
|  | BB | 3,443,648    | 05/13/1969 | Howard              | 175   | 103      | 09/13/1967  |

**EXAMINER**

**DATE CONSIDERED**

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

U.S. Patent and Trademark Office



|  |                                      |   |                                     |
|--|--------------------------------------|---|-------------------------------------|
| <b>Information Disclosure Citation<br/>in an Application</b> | Application No.<br><b>10/630,345</b> | Applicant(s)<br><b>Joseph A. Zupanick</b> |                                     |
|  | Docket Number<br><b>067083.0205</b>  | Group Art Unit                            | Filing Date<br><b>July 29, 2003</b> |

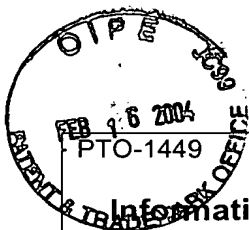
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|  | B.  | 3,503,377    | 03/31/1970 | Beatenbough et al.   | 123   | 117      | 07/30/1968  |
|  | C.  | 3,528,516    | 09/15/1970 | Brown                | 175   | 267      | 08/21/1968  |
|  | D.  | 3,530,675    | 09/29/1970 | Turzillo             | 61    | 35       | 08/26/1968  |
|  | E.  | 3,684,041    | 08/15/1972 | Kammerer, Jr. et al. | 175   | 267      | 11/16/1970  |
|  | F.  | 3,692,041    | 09/19/1972 | Bondi                | 137   | 238      | 01/04/1971  |
|  | G.  | 3,757,876    | 09/11/1973 | Pereau               | 175   | 267      | 09/01/1971  |
|  | H.  | 3,757,877    | 09/11/1973 | Leathers             | 175   | 269      | 12/30/1971  |
|  | I.  | 3,800,830    | 04/02/1974 | Etter                | 137   | 625.41   | 01/11/1973  |
|  | J.  | 3,809,519    | 05/07/1974 | Garner               | 425   | 245      | 10/19/1972  |
|  | K.  | 3,825,081    | 07/23/1974 | McMahon              | 175   | 73       | 03/08/1973  |
|  | L.  | 3,828,867    | 08/13/1974 | Elwood               | 175   | 45       | 05/15/1972  |
|  | M.  | 3,874,413    | 04/01/1975 | Valdez               | 137   | 625.47   | 04/01/1975  |
|  | N.  | 3,887,008    | 06/03/1975 | Canfield             | 166   | 267      | 03/21/1974  |
|  | O.  | 3,902,322    | 09/02/1975 | Watanabe             | 61    | 35       | 08/27/1973  |
|  | P.  | 3,907,045    | 09/23/1975 | Dahl et al.          | 175   | 45       | 11/30/1976  |
|  | Q.  | 3,934,649    | 01/27/1976 | Pasini, III et al.   | 166   | 254      | 07/25/1974  |
|  | R.  | 3,957,082    | 05/18/1976 | Fuson et al.         | 137   | 625.41   | 09/26/1974  |
|  | S.  | 3,961,824    | 06/08/1976 | Van Eek et al.       | 299   | 17       | 10/21/1974  |
|  | T.  | 4,011,890    | 03/15/1977 | Andersson            | 137   | 625.4    | 11/04/1975  |
|  | U.  | 4,022,279    | 05/10/1977 | Driver               | 166   | 271      | 12/23/1974  |
|  | V.  | 4,037,658    | 07/26/1977 | Anderson             | 166   | 272      | 10/30/1975  |
|  | W.  | 4,073,351    | 02/14/1978 | Baum                 | 175   | 14       | 06/10/1976  |
|  | X.  | 4,089,374    | 05/16/1978 | Terry                | 166   | 259      | 12/16/1976  |
|  | Y.  | 4,116,012    | 09/26/1978 | Abe et al.           | 405   | 238      | 07/14/1977  |
|  | Z.  | 4,134,463    | 01/16/1979 | Allen                | 175   | 53       | 06/22/1977  |
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|  | BB. | 4,169,510    | 10/02/1979 | Meigs                | 175   | 65       | 08/16/1977  |

EXAMINER

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# Information Disclosure Citation in an Application

Application No.  
**10/630,345**

Applicant(s)  
**Joseph A. Zupanick**

Docket Number  
**067083.0205**

Group Art Unit

Filing Date  
**July 29, 2003**

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|  | B.  | 4,220,203    | 09/02/1980 | Steeman               | 166   | 271      | 12/06/1978  |
|  | C.  | 4,221,433    | 09/09/1980 | Jacoby                | 299   | 4        | 07/20/1978  |
|  | D.  | 4,224,989    | 09/30/1980 | Blount                | 166   | 250      | 10/30/1978  |
|  | E.  | 4,257,650    | 03/24/1981 | Allen                 | 299   | 2        | 09/07/1978  |
|  | F.  | 4,278,137    | 07/14/1981 | Van Eek, deceased     | 175   | 267      | 06/18/1979  |
|  | G.  | 4,283,088    | 08/11/1981 | Tabakov et al.        | 299   | 2        | 05/14/1979  |
|  | H.  | 4,296,785    | 10/27/1981 | Vitello et al.        | 141   | 105      | 07/09/1979  |
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|  | K.  | 4,305,464    | 12/15/1981 | Masszi                | 166   | 370      | 03/07/1980  |
|  | L.  | 4,312,377    | 01/26/1982 | Knecht                | 137   | 625.19   | 08/29/1979  |
|  | M.  | 4,317,492    | 03/02/1982 | Summers et al.        | 175   | 79       | 02/26/1980  |
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|  | O.  | 4,366,988    | 01/04/1983 | Bodine                | 299   | 14       | 04/07/1980  |
|  | P.  | 4,372,398    | 02/08/1983 | Kuckes                | 175   | 45       | 11/04/1980  |
|  | Q.  | 4,386,665    | 06/07/1983 | Dellinger             | 175   | 61       | 10/27/1981  |
|  | R.  | 4,390,067    | 06/28/1983 | Willman               | 166   | 245      | 04/06/1981  |
|  | S.  | 4,396,076    | 08/02/1983 | Inoue                 | 175   | 265      | 04/27/1981  |
|  | T.  | 4,397,360    | 08/09/1983 | Schmidt               | 175   | 61       | 07/06/1981  |
|  | U.  | 4,401,171    | 08/30/1983 | Fuchs                 | 175   | 267      | 12/10/1981  |
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|  | W.  | 4,437,706    | 03/20/1984 | Johnson               | 299   | 7        | 08/30/1981  |
|  | X.  | 4,442,896    | 04/17/1984 | Reale et al.          | 166   | 278      | 07/21/1982  |
|  | Y.  | 4,494,616    | 01/22/1985 | McKee                 | 175   | 67       | 07/18/1983  |
|  | Z.  | 4,512,422    | 04/23/1985 | Knisley               | 175   | 99       | 06/28/1983  |
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|  | BB. | 4,527,639    | 07/09/1985 | Dickinson, III et al. | 175   | 61       | 03/02/1983  |
|  | CC. | 4,532,986    | 08/06/1985 | Mims et al.           | 166   | 50       | 05/05/1983  |

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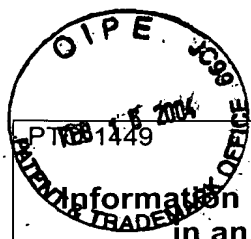


|   |                                      |   |                                     |
|---|--------------------------------------|---|-------------------------------------|
| PT 1449<br><b>Information Disclosure Citation<br/>in an Application</b> | Application No.<br><b>10/630,345</b> | Applicant(s)<br><b>Joseph A. Zupanick</b> |                                     |
|   | Docket Number<br><b>067083.0205</b>  | Group Art Unit                            | Filing Date<br><b>July 29, 2003</b> |

|  |     | DOCUMENT NO. | DATE       | NAME             | CLASS | SUBCLASS | FILING DATE |
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|  | A.  | 4,544,037    | 10/01/1985 | Terry            | 166   | 369      | 02/21/1984  |
|  | B.  | 4,558,744    | 12/17/1985 | Gibb             | 166   | 335      | 09/13/1983  |
|  | C.  | 4,565,252    | 01/21/1986 | Campbell et al.  | 175   | 269      | 03/08/1984  |
|  | D.  | 4,573,541    | 03/04/1986 | Josse et al.     | 175   | 78       | 08/09/1984  |
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|  | F.  | 4,600,061    | 07/15/1986 | Richards         | 175   | 62       | 06/08/1984  |
|  | G.  | 4,605,076    | 08/12/1986 | Goodhart         | 175   | 61       | 08/03/1984  |
|  | H.  | 4,611,855    | 09/16/1986 | Richards         | 299   | 2        | 05/11/1984  |
|  | I.  | 4,618,009    | 10/21/1986 | Carter et al.    | 175   | 267      | 08/08/1984  |
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|  | O.  | 4,715,440    | 12/29/1987 | Boxell et al.    | 166   | 100      | 07/14/1986  |
|  | P.  | 4,754,819    | 07/05/1988 | Dellinger        | 175   | 61       | 03/11/1987  |
|  | Q.  | 4,756,367    | 07/12/1988 | Puri et al.      | 166   | 263      | 04/28/1987  |
|  | R.  | 4,763,734    | 08/16/1988 | Dickinson et al. | 175   | 61       | 12/23/1985  |
|  | S.  | 4,773,488    | 09/27/1988 | Bell et al.      | 175   | 61       | 08/08/1984  |
|  | T.  | 4,830,105    | 05/16/1989 | Petermann        | 166   | 241      | 02/08/1988  |
|  | U.  | 4,836,611    | 06/06/1989 | El-Saie          | 299   | 7        | 05/09/1988  |
|  | V.  | 4,842,081    | 06/27/1989 | Parant           | 175   | 23       | 05/18/1988  |
|  | W.  | 4,844,182    | 07/04/1989 | Tolle            | 175   | 215      | 06/07/1988  |
|  | X.  | 4,852,666    | 08/01/1989 | Brunet et al.    | 175   | 61       | 04/07/1988  |
|  | Y.  | 4,883,122    | 11/28/1989 | Puri et al.      | 166   | 248      | 08/22/1990  |
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|  | AA. | 5,016,710    | 05/21/1991 | Renard et al.    | 166   | 245      | 06/26/1987  |

|          |                 |
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|  | <b>Docket Number</b><br><b>067083.0205</b>  | <b>Group Art Unit</b>                            | <b>Filing Date</b><br><b>July 29, 2003</b> |

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|  |     | DOCUMENT NO. | DATE       | NAME             | CLASS | SUBCLASS | FILING DATE |
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|  | B.  | 5,036,921    | 08/06/1991 | Pittard et al.   | 166   | 298      | 06/28/1990  |
|  | C.  | 5,074,360    | 12/24/1991 | Guinn            | 166   | 281      | 07/10/1990  |
|  | D.  | 5,074,365    | 12/24/1991 | Kuckes           | 175   | 40       | 09/14/1990  |
|  | E.  | 5,074,366    | 12/24/1991 | Karlsson et al.  | 175   | 76       | 12/24/1991  |
|  | F.  | 5,082,054    | 01/21/1992 | Kiamanesh        | 166   | 248      | 08/22/1990  |
|  | G.  | 5,111,893    | 05/12/1992 | Kvello-Aune      | 175   | 258      | 12/24/1990  |
|  | H.  | 5,135,058    | 08/04/1992 | Millgard et al.  | 175   | 71       | 04/26/1990  |
|  | I.  | 5,148,875    | 09/22/1992 | Karlsson et al.  | 175   | 62       | 09/24/1991  |
|  | J.  | 5,165,491    | 11/24/1992 | Wilson           | 175   | 62       | 04/29/1991  |
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|  | L.  | 5,174,374    | 12/29/1992 | Hailey           | 166   | 55.8     | 10/17/1991  |
|  | M.  | 5,193,620    | 03/16/1993 | Braddick         | 166   | 382      | 08/05/1991  |
|  | N.  | 5,194,859    | 03/16/1993 | Warren           | 340   | 853.4    | 02/08/1991  |
|  | O.  | 5,197,553    | 03/30/1993 | Leturno          | 175   | 57       | 08/14/1991  |
|  | P.  | 5,197,783    | 03/30/1993 | Theimer et al.   | 299   | 17       | 04/29/1991  |
|  | Q.  | 5,199,496    | 04/06/1993 | Redus et al.     | 166   | 366      | 10/18/1991  |
|  | R.  | 5,201,817    | 04/13/1993 | Hailey           | 175   | 269      | 12/27/1991  |
|  | S.  | 5,217,076    | 06/08/1993 | Masek            | 166   | 303      | 09/27/1991  |
|  | T.  | 5,240,350    | 08/31/1993 | Yamaguchi et al. | 405   | 143      | 11/07/1991  |
|  | U.  | 5,242,017    | 09/07/1993 | Hailey           | 166   | 55.8     | 12/27/1991  |
|  | V.  | 5,242,025    | 09/07/1993 | Neill et al.     | 175   | 26       | 06/30/1992  |
|  | W.  | 5,246,273    | 09/21/1993 | Rosar            | 299   | 4        | 05/13/1991  |
|  | X.  | 5,255,741    | 10/26/1993 | Alexander        | 166   | 278      | 12/11/1991  |
|  | Y.  | 5,271,472    | 12/21/1993 | Leturno          | 175   | 107      | 10/14/1992  |
|  | Z.  | 5,301,760    | 04/12/1994 | Graham           | 175   | 61       | 09/10/1992  |
|  | AA. | 5,363,927    | 11/15/1994 | Frank            | 175   | 67       | 09/27/1993  |

EXAMINER

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



|  |                                      |   |                                     |
|--|--------------------------------------|---|-------------------------------------|
| <b>Information Disclosure Citation<br/>in an Application</b> | Application No.<br><b>10/630,345</b> | Applicant(s)<br><b>Joseph A. Zupanick</b> |                                     |
|  | Docket Number<br><b>067083.0205</b>  | Group Art Unit                            | Filing Date<br><b>July 29, 2003</b> |

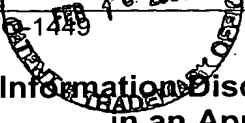
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|  |     | DOCUMENT NO. | DATE       | NAME                | CLASS | SUBCLASS | FILING DATE |
|--|-----|--------------|------------|---------------------|-------|----------|-------------|
|  | A.  | 5,385,205    | 01/31/1995 | Hailey              | 166   | 55.8     | 10/04/1993  |
|  | B.  | 5,394,950    | 03/07/1995 | Gardes              | 175   | 45       | 05/21/1993  |
|  | C.  | 5,402,851    | 04/04/1995 | Baiton              | 166   | 369      | 05/03/1993  |
|  | D.  | 5,411,082    | 05/02/1995 | Kennedy             | 166   | 181      | 01/26/1994  |
|  | E.  | 5,411,085    | 05/02/1995 | Moore et al.        | 166   | 242      | 11/01/1993  |
|  | F.  | 5,411,104    | 05/02/1995 | Stanley             | 175   | 65       | 02/16/1994  |
|  | G.  | 5,411,105    | 05/02/1995 | Gray                | 175   | 69       | 06/14/1994  |
|  | H.  | 5,431,220    | 07/11/1995 | Lennon et al.       | 166   | 55.7     | 03/24/1994  |
|  | I.  | 5,435,400    | 07/25/1995 | Smith               | 175   | 61       | 05/25/1994  |
|  | J.  | 5,447,416    | 09/05/1995 | Wittrisch           | 417   | 442      | 03/28/1994  |
|  | K.  | 5,450,902    | 09/19/1995 | Matthews            | 166   | 268      | 05/14/1993  |
|  | L.  | 5,454,419    | 10/03/1995 | Vloedman            | 166   | 277      | 09/19/1994  |
|  | M.  | 5,458,209    | 10/17/1995 | Hayes et al.        | 175   | 61       | 06/11/1993  |
|  | N.  | 5,462,116    | 10/31/1995 | Carroll             | 166   | 249      | 10/26/1994  |
|  | O.  | 5,462,120    | 10/31/1995 | Gondouin            | 166   | 380      | 01/04/1993  |
|  | P.  | 5,469,155    | 11/21/1995 | Archambeault et al. | 340   | 853.4    | 07/11/1994  |
|  | Q.  | 5,477,923    | 12/26/1995 | Jordan, Jr. et al.  | 66    | 313      | 01/26/1994  |
|  | R.  | 5,485,089    | 01/16/1996 | Kuckes              | 324   | 346      | 10/08/1993  |
|  | S.  | 5,494,121    | 02/27/1996 | Nackerud            | 175   | 263      | 11/29/1994  |
|  | T.  | 5,499,687    | 03/19/1996 | Lee                 | 175   | 317      | 11/18/1991  |
|  | U.  | 5,501,273    | 03/26/1996 | Puri                | 166   | 252.5    | 10/04/1994  |
|  | V.  | 5,501,279    | 03/26/1996 | Garg et al.         | 166   | 372      | 01/12/1995  |
|  | W.  | 5,584,605    | 12/17/1996 | Beard et al.        | 405   | 128      | 06/29/1995  |
|  | X.  | 5,613,242    | 03/18/1997 | Oddo                | 588   | 17       | 12/06/1994  |
|  | Y.  | 5,615,739    | 04/01/1997 | Dallas              | 166   | 306      | 04/30/1996  |
|  | Z.  | 5,669,444    | 09/23/1997 | Riese et al.        | 166   | 263      | 01/31/1996  |
|  | AA. | 5,680,901    | 10/28/1997 | Gardes              | 166   | 313      | 12/14/1995  |
|  | BB. | 5,690,390    | 11/25/1997 | Bithell             | 299   | 4        | 04/19/1996  |
|  | CC. | 5,706,871    | 01/13/1998 | Anderson et al.     | 141   | 59       | 08/15/1995  |

**EXAMINER****DATE CONSIDERED**

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



|  |                                      |   |                                     |
|--|--------------------------------------|---|-------------------------------------|
| <br>PTO-1428 | Application No.<br><b>10/630,345</b> | Applicant(s)<br><b>Joseph A. Zupanick</b> |                                     |
|  | Docket Number<br><b>067083.0205</b>  | Group Art Unit                            | Filing Date<br><b>July 29, 2003</b> |

**Information Disclosure Citation  
in an Application**

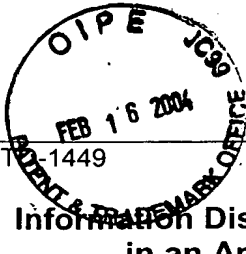
**U.S. PATENT DOCUMENTS**

|    | DOCUMENT NO. | DATE       | NAME                 | CLASS | SUBCLASS | FILING DATE |
|----|--------------|------------|----------------------|-------|----------|-------------|
| A  | 5,720,356    | 02/24/1998 | Gardes               | 175   | 62       | 02/01/1996  |
| B  | 5,727,629    | 03/17/1998 | Blizzard, Jr. et al. | 166   | 298      | 01/24/1996  |
| C  | 5,735,350    | 04/07/1998 | Longbottom et al.    | 166   | 313      | 10/15/1996  |
| D  | 5,771,976    | 06/30/1998 | Talley               | 166   | 370      | 07/19/1996  |
| E  | 5,785,133    | 07/28/1998 | Murray et al.        | 175   | 61       | 08/29/1995  |
| F  | 5,832,958    | 11/10/1998 | Cheng                | 137   | 625.41   | 09/04/1997  |
| G  | 5,853,054    | 12/29/1998 | McGarian et al.      | 175   | 267      | 07/22/1997  |
| H  | 5,853,056    | 12/29/1998 | Landers              | 175   | 424      | 04/01/1996  |
| I  | 5,853,224    | 12/19/1998 | Riese                | 299   | 13       | 01/21/1997  |
| J  | 5,863,283    | 01/26/1999 | Gardes               | 588   | 250      | 02/10/1997  |
| K  | 5,868,202    | 02/09/1999 | Hsu                  | 166   | 256      | 09/22/1997  |
| L  | 5,868,210    | 02/09/1999 | Johnson et al.       | 175   | 40       | 05/01/1996  |
| M  | 5,879,057    | 03/09/1999 | Schwoebel et al.     | 299   | 17       | 11/12/1996  |
| N  | 5,884,704    | 03/23/1999 | Longbottom et al.    | 16    | 313      | 08/20/1997  |
| O  | 5,917,325    | 06/29/1999 | Smith                | 324   | 326      | 08/25/1997  |
| P  | 5,934,390    | 08/10/1999 | Uthe                 | 175   | 67       | 12/23/1997  |
| Q  | 5,938,004    | 08/17/1999 | Roberts et al.       | 198   | 812      | 02/14/1997  |
| R  | 5,941,308    | 08/24/1999 | Malone et al.        | 166   | 313      | 12/18/1996  |
| S  | 5,957,539    | 09/28/1999 | Durup et al.         | 299   | 4        | 07/17/1997  |
| T  | 5,971,074    | 10/26/1999 | Longbottom et al.    | 166   | 313      | 07/01/1998  |
| U  | 6,012,520    | 01/11/2000 | Yu et al.            | 166   | 245      | 01/04/1999  |
| V  | 6,015,012    | 01/18/2000 | Reddick              | 166   | 313      | 08/29/1997  |
| W  | 6,024,171    | 02/15/2000 | Montgomery et al.    | 166   | 308      | 03/12/1998  |
| X  | 6,050,335    | 04/18/2000 | Parsons              | 166   | 272.3    | 10/26/1998  |
| Y  | 6,056,059    | 05/02/2000 | Ohmer                | 166   | 313      | 07/24/1997  |
| Z  | 6,065,550    | 05/23/2000 | Gardes               | 175   | 62       | 02/19/1998  |
| AA | 6,119,771    | 09/19/2000 | Gano et al.          | 166   | 50       | 01/27/1998  |
| BB | 6,135,208    | 10/24/2000 | Gano et al.          | 166   | 313      | 05/28/1998  |
| CC | 6,209,636    | 04/03/2001 | Roberts et al.       | 166   | 117.6    | 03/07/1999  |

**EXAMINER**

**DATE CONSIDERED**

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

|  |                                      |   |                                     |
|--|--------------------------------------|---|-------------------------------------|
|  PT-1449<br><b>Information Disclosure Citation<br/>in an Application</b> | Application No.<br><b>10/630,345</b> | Applicant(s)<br><b>Joseph A. Zupanick</b> |                                     |
|  | Docket Number<br><b>067083.0205</b>  | Group Art Unit                            | Filing Date<br><b>July 29, 2003</b> |

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|    | DOCUMENT NO. | DATE       | NAME            | CLASS | SUBCLASS | FILING DATE |
|----|--------------|------------|-----------------|-------|----------|-------------|
| A. | 6,280,000    | 08/28/2001 | Zupanick        | 299   | 12       | 11/20/1998  |
| B. | 6,349,769    | 02/26/2002 | Ohmer           | 166   | 313      | 03/03/2000  |
| C. | 6,357,523    | 03/19/2002 | Zupanick        | 166   | 52       | 11/19/1999  |
| D. | 6,425,448    | 07/30/2002 | Zupanick et al. | 175   | 61       | 01/30/2001  |
| E. | 6,439,320    | 08/27/2002 | Zupanick        | 166   | 313      | 03/03/2000  |
| F. | 6,450,256    | 09/17/2002 | Mones           | 166   | 250.01   | 06/06/2001  |
| G. | 6,454,000    | 09/24/2002 | Zupanick        | 166   | 243      | 10/24/2000  |
| H. | 6,457,540    | 10/01/2002 | Gardes          | 175   | 62       | 01/29/2001  |
| I. | 6,478,085    | 11/12/2002 | Zupanick        | 166   | 50       | 02/20/2001  |
| J. | 6,497,556    | 12/24/2002 | Zupanick        | 417   | 85       | 04/24/2001  |
| K. | 6,561,288    | 05/13/2003 | Zupanick        | 175   | 69       | 06/20/2001  |
| L. | 6,566,649    | 05/20/2003 | Mickael         | 250   | 269.3    | 05/26/2000  |
| M. | 6,571,888    | 06/03/2003 | Comeau          | 175   | 61       | 05/14/2001  |
| N. | 6,575,235    | 06/10/2003 | Zupanick        | 166   | 50       | 09/15/2002  |
| O. | 6,577,129    | 06/10/2003 | Thompson        | 324   | 338      | 01/19/2002  |
| P. | 6,585,061    | 07/01/2003 | Radzinski       | 175   | 45       | 10/15/2001  |
| Q. | 6,590,202    | 07/08/2003 | Mickael         | 250   | 269.4    | 05/08/2001  |
| R. | 6,591,903    | 07/15/2003 | Ingle           | 166   | 50       | 12/06/2001  |
| S. |              |            |                 |       |          |             |
| T. |              |            |                 |       |          |             |
| U. |              |            |                 |       |          |             |

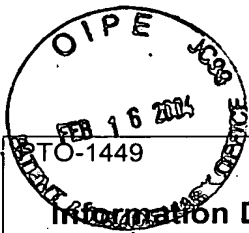
## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
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|  |              |      |         |       |          | YES         | NO |

## NON-PATENT DOCUMENTS

|          | DOCUMENT (Including Author, Title, Source, and Pertinent Pages) | DATE |
|----------|---|------|
| EXAMINER | DATE CONSIDERED   |      |

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|  |                                      |   |                                     |
|--|--------------------------------------|---|-------------------------------------|
| <b>Information Disclosure Citation<br/>in an Application</b> | Application No.<br><b>10/630,345</b> | Applicant(s)<br><b>Joseph A. Zupanick</b> |                                     |
|  | Docket Number<br><b>067083.0205</b>  | Group Art Unit                            | Filing Date<br><b>July 29, 2003</b> |

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|    | DOCUMENT NO. | DATE       | NAME            | CLASS | SUBCLASS | FILING DATE |
|----|--------------|------------|-----------------|-------|----------|-------------|
| A. | 6,598,686    | 07/29/2003 | Zupanick        | 175   | 62       | 01/24/2001  |
| B. | 6,604,580    | 08/12/2003 | Zupanick        | 166   | 245      | 04/15/2002  |
| C. | 6,604,910    | 08/12/2003 | Zupanick        | 417   | 36       | 04/24/2001  |
| D. | 6,607,042    | 08/19/2003 | Hoyer et al.    | 175   | 38       | 05/17/2001  |
| E. | 6,636,159    | 10/21/2003 | Winnacker       | 340   | 854.3    | 06/25/2000  |
| F. | 6,639,210    | 10/28/2003 | Odom et al.     | 250   | 269.6    | 03/14/2001  |
| G. | 6,646,411    | 11/11/2003 | Thompson et al. | 324   | 338      | 01/19/2002  |
| H. | 6,653,839    | 11/25/2003 | Yuratich et al. | 324   | 355      | 12/28/2001  |
| I. | 6,662,870    | 12/16/2003 | Zupanick        | 166   | 245      | 01/03/2001  |
| J. | 6,668,918    | 12/30/2003 | Zupanick        | 166   | 50       | 06/07/2002  |
| K. | 6,679,322    | 01/20/2004 | Zupanick        | 166   | 50       | 09/26/2002  |
| L. | 6,681,855    | 01/27/2004 | Zupanick        | 166   | 50       | 10/19/2001  |
| M. | 6,688,388    | 02/10/2004 | Zupanick        | 166   | 50       | 06/07/2002  |
| N. |              |            |                 |       |          |             |
| O. |              |            |                 |       |          |             |
| P. |              |            |                 |       |          |             |
| Q. |              |            |                 |       |          |             |
| R. |              |            |                 |       |          |             |
| S. |              |            |                 |       |          |             |
| T. |              |            |                 |       |          |             |
| U. |              |            |                 |       |          |             |
| V. |              |            |                 |       |          |             |

**FOREIGN PATENT DOCUMENTS**

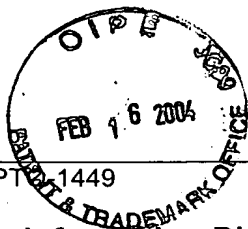
| DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
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|              |      |         |       |          | YES         | NO |

**NON-PATENT DOCUMENTS**

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**EXAMINER**

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|   |  |                                      |  |   |  |                                     |  |
|---|--|--------------------------------------|--|---|--|-------------------------------------|--|
| PT 1449<br><b>Information Disclosure Citation<br/>in an Application</b> |  | Application No.<br><b>10/630,345</b> |  | Applicant(s)<br><b>Joseph A. Zupanick</b> |  |                                     |  |
|   |  | Docket Number<br><b>067083.0205</b>  |  | Group Art Unit                            |  | Filing Date<br><b>July 29, 2003</b> |  |

| U.S. PATENT DOCUMENTS |              |            |               |       |          |             |  |
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|                       | DOCUMENT NO. | DATE       | NAME          | CLASS | SUBCLASS | FILING DATE |  |
| A.                    | 2002/0074120 | 06/20/2002 | Scott         | 166   | 313      | 12/15/2000  |  |
| B.                    | 2002/0074122 | 06/20/2002 | Kelly et al.  | 166   | 313      | 05/16/2001  |  |
| C.                    | 2002/0050358 | 05/02/2002 | Algeroy       | 166   | 313      | 09/27/2001  |  |
| D..                   | 2003/0075334 | 04/24/2003 | Haugen et al. | 166   | 313      | 09/16/2002  |  |
| E.                    | 2003/0062198 | 04/03/2003 | Gardes        | 175   | 61       | 09/30/2002  |  |
| F.                    | 2003/0106686 | 06/12/2003 | Ingle et al.  | 166   | 245      | 12/06/2001  |  |
| G.                    | 2003/0066686 | 04/10/2003 | Conn          | 175   | 57       | 10/04/2002  |  |
| H.                    | 2001/0096336 | 11/01/2001 | Zupanick      | 175   | 161      | 02/20/2001  |  |
| I.                    | 2002/0189801 | 12/19/2002 | Zupanick      | 166   | 50       | 07/01/2002  |  |
| J.                    | 2002/0108746 | 08/15/2002 | Zupanick      | 166   | 50       | 04/15/2002  |  |
| K.                    | 2002/0117297 | 08/29/2002 | Zupanick      | 166   | 50       | 04/15/2002  |  |
| L.                    | 2004/0007389 | 01/15/2004 | Zupanick      | 175   | 61       | 07/12/2002  |  |
| M.                    | 2004/0007390 | 01/15/2004 | Zupanick      | 175   | 61       | 07/12/2002  |  |
| N.                    |              |            |               |       |          |             |  |
| O.                    |              |            |               |       |          |             |  |
| P.                    |              |            |               |       |          |             |  |
| Q.                    |              |            |               |       |          |             |  |
| R.                    |              |            |               |       |          |             |  |
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| T.                    |              |            |               |       |          |             |  |
| U.                    |              |            |               |       |          |             |  |
| V.                    |              |            |               |       |          |             |  |

| FOREIGN PATENT DOCUMENTS |              |      |         |       |          |             |    |
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|                          | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|                          |              |      |         |       |          | YES         | NO |

| NON-PATENT DOCUMENTS  |   |  |  |  |  |  |      |
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|   | DOCUMENT (Including Author, Title, Source, and Pertinent Pages) |  |  |  |  |  | DATE |
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|  |                                      |   |                                     |
|--|--------------------------------------|---|-------------------------------------|
| O-1449<br><b>Information Disclosure Citation<br/>in an Application</b> | Application No.<br><b>10/630,345</b> | Applicant(s)<br><b>Joseph A. Zupanick</b> |                                     |
|  | Docket Number<br><b>067083.0205</b>  | Group Art Unit                            | Filing Date<br><b>July 29, 2003</b> |

**U.S. PATENT DOCUMENTS**

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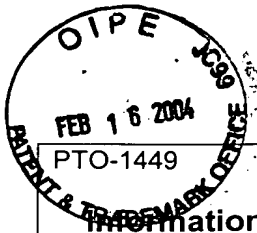
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|  |    |               |            |         |       |               | YES         | NO |
|  | A. | 94/21889      | 09/29/1994 | WO      | E21B  | 43/24         | X           |    |
|  | B. | 0 875 661 A1  | 11/04/1998 | EP      | E21B  | 43/30         | X           |    |
|  | C. | 0 952 300 A1  | 10/27/1999 | EP      | E21B  | 7/12          | X           |    |
|  | D. | 00/31376      | 06/02/0000 | WO      | E21C  | 41/00         | X           |    |
|  | E. | WO 99/60248   | 11/25/1999 | PCT     | E21B  | 43/30         | X           |    |
|  | F. | WO 00/79099   | 12/28/2000 | PCT     | E21B  | 43/25         | X           |    |
|  | G. | WO 02/059455  | 08/01/2002 | PCT     | E21B  | 43/00         | X           |    |
|  | H. | WO 02/18738   | 03/07/2002 | PCT     | E21B  | 07/04         | X           |    |
|  | I. | GB 2297 988   | 08/21/1996 | UK      | E21B  | 07/08         | X           |    |
|  | J. | GB 2347157    | 08/30/02   | UK      | E21B  | 43/00         | X           |    |
|  | K. | WO 03/102348  | 12/11/2003 | PCT     | E21B  |               | X           |    |
|  | L. | WO 03/061238  | 08/08/2002 | PCT     | E21B  | 43/00         | X           |    |
|  | M. | SU-1448078-A1 | 03/25/1987 | Russia  | E21   | F 5/00-F 7/00 |             | X  |
|  | N. | SU-1770570-A1 | 03/30/1990 | Russia  | E21   | F 7/00        |             | X  |
|  | O. | SU-750108     | 06/26/1975 | Russia  | E21   | C 45/00       |             | X  |

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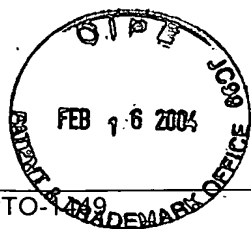
|    | DOCUMENT (Including Author, Title, Source, and Pertinent Pages)  | DATE         |
|----|--|--------------|
| P. | Examiner of Record, Office Action Response regarding the Interpretation of the three Russian Patent Applications listed above under Foreign Patent Documents (9 pages) | Date Unknown |
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| R. |  |              |
| S. |  |              |
| T. |  |              |

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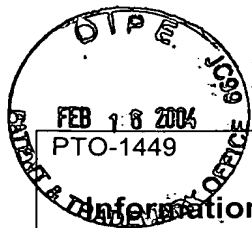
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|---|----|--|------|---|-------|----------|------------------------|
| <b>Information Disclosure Citation<br/>in an Application</b>  |    | Application No.<br><b>10/630,345</b>   |      | Applicant(s)<br><b>Joseph A. Zupanick</b>             |       |          |                        |
|   |    | Docket Number<br><b>067083.0205</b>  |      | Group Art Unit<br>Filing Date<br><b>July 29, 2003</b> |       |          |                        |
| <b>U.S. PATENT DOCUMENTS</b>  |    |  |      |   |       |          |                        |
|   |    | DOCUMENT NO.   | DATE | NAME  | CLASS | SUBCLASS | FILING DATE            |
| <b>FOREIGN PATENT DOCUMENTS</b>   |    |  |      |   |       |          |                        |
|   |    | DOCUMENT NO.   | DATE | COUNTRY   | CLASS | SUBCLASS | TRANSLATION<br>YES NO  |
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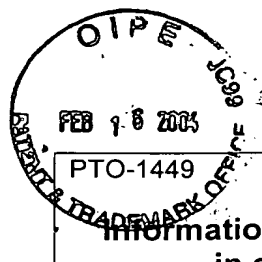


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| PTO-1049  |   | Application No.<br>10/630,345 |         | Applicant(s)<br>Joseph A. Zupanick |                              |
| Information Disclosure Citation<br>in an Application  |   | Docket Number<br>067083.0205  |         | Group Art Unit                     | Filing Date<br>July 29, 2003 |
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| <b>Information Disclosure Citation<br/>in an Application</b>  |   | <b>Application No.</b><br>10/630,345 | <b>Applicant(s)</b><br>Joseph A. Zupanick |                                     |                 |                              |
|   |   | <b>Docket Number</b><br>067083.0205  | <b>Group Art Unit</b><br>                 | <b>Filing Date</b><br>July 29, 2003 |                 |                              |
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| PTO-1449<br><b>Information Disclosure Citation<br/>in an Application</b> | Application No.<br><b>10/630,345</b> | Applicant(s)<br><b>Joseph A. Zupanick</b> |                                     |
|  | Docket Number<br><b>067083.0205</b>  | Group Art Unit                            | Filing Date<br><b>July 29, 2003</b> |

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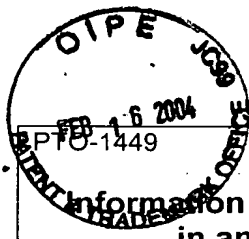
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